| 2014 EL                                | MITTAL FO                       |                              | Application No.                                | 10/750   | ,029  |
|--|---------------------------------|------------------------------|--|----------|---|
|  |                                 |                              | Filing Date                                    | Decem    | ber 30, 2003  |
| (to be used for all                    | correspondence aft              | er initial filing)           | First Named Inventor                           | Sung-1   | k PARK  |
|  |                                 |                              | Art Unit                                       |          |   |
|  |                                 | <u></u>                      | Examiner Name                                  |          |   |
| Total Number of F                      | Pages in This Submissio         | n 10                         | Attorney Docket Number                         | 518761   | P455  |
|  | ENCLOS                          | SURES (chec                  | ck all that apply)                             |          |   |
| Fee Transmittal                        | Form                            | Drawing(s                    | )  |          | fter Allowance Communication<br>Group                           |
| Fee Attack                             | ned                             | Licensing-r                  | related Papers                                 | ☐ â      | ppeal Communication to Boa<br>Appeals and Interferences         |
| Amendment / Re                         | sponse                          | Petition                     |  |          | opeal Communication to Gro<br>ppeal Notice, Brief, Reply Brief) |
| After Fina Affidavits/                 | l<br>declaration(s)             | Petition to 0<br>Provisional | Convert a<br>Application                       | P        | roprietary Information  |
| Extension of Tim                       | e Request                       | Power of A Change of         | attorney, Revocation<br>Correspondence Address |          | tatus Letter  |
| Express Abando                         | nment Request                   | Terminal [                   | Disclaimer                                     |          | ther Enclosure(s)<br>lease identify below):                     |
|  | osure Statement                 | Request for                  | r Refund                                       |          | o cited IDS References;<br>I return postcard                    |
| PTO/SB/0  Certified Copy o Document(s) |                                 | CD, Numb                     | er of CD(s)                                    |          |   |
| Response to Mis                        | ľ                               |                              |  | <u> </u> |   |
| Incomplete Appli                       |                                 | Remarks                      |  |          |   |
| =                                      | aration/POA                     |                              |  |          | ·   |
| Response<br>Parts und<br>1.52 or 1.5   | e to Missing<br>er 37 CFR<br>i3 |                              |  |          |   |
|  | SIGNATURE                       | OF APPLICA                   | NT, ATTORNEY, OR AC                            | SENT     |   |
| Firm                                   | Eric S. Hyman,                  | Reg. No. 30                  | ,139   |          |   |
| <i>or</i><br>Individual name           | •                               | •                            | TAYLOR & ZAFI                                  | MANI     | I.P   |
| Signature                              |                                 | ZE                           |  |          | <del>~-</del>   |
| Date                                   | March 30, 200                   | )4                           |  |          |   |
|  |                                 |                              | ING/TRANSMISSION                               |          |   |

Based on PTO/SB/21 (02-04) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 02/10/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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## for FY 2004

Effective 10/01/2004. Patent fees are subject to annual revision.

Based on PTO/SB/17 (10-03) as modified by Blakety, Solokoff, Taylor & Zafman (Mr) 2011/2004. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Applicant claims small entity status. See 37 CFR 1.27.

**TOTAL AMOUNT OF PAYMENT** 

(\$)

0.00

Complete if Known

Application Number 10/750,029

Filing Date December 30, 2003

First Named Inventor Sung-Ik PARK

Examiner Name

Art Unit

Attorney Docket No. 51876P455

| METHOD OF PAYMENT (check all that apply)  |              |               |         | FE        | E CALCULATI   | ON (continue         | ed)                   |
|---|--------------|---------------|---------|-----------|---|----------------------|-----------------------|
| Chart Conditions Chart Chart  | 3. A         | OITIO         | NAL     | FEES      | 3   |                      |                       |
| ☐ Check ☐ Credit card ☐ Norey ☐ Other ☐ Nor<br>Order ☐ Other ☐ Nor  |              | e Entity      | , Sma   | il Entity | y   |                      |                       |
| Sopositi Sacratia   | Fee          | Fee           | Fee     | Fee       | -   |                      |                       |
| Deposit<br>Account<br>Number 02-2666  | Code         | (\$)          | Code    | (\$)      | Fe  | e Description        | FeePaid               |
| Number 02-2000  | 1051         | 130           | 2051    | 65        | Surcharge - late filing   |                      |                       |
| Deposit Account District Colors Co. T. 1 0.7 C L. D.  | 1052         | 50            | 2052    | 25        | Surcharge - late provi<br>cover sheet.                              | sional filing tee or |                       |
| Name Blakely, Sokoloff, Taylor & Zafman LLP   | 2053         | 130           | 2053    | 130       | Non-English specificat  | ion                  |                       |
| The Commissioner is authorized to: ( check all that apply)  | 1812         | 2,520         | 1812    | 2,520     | For filing a request for  | ex parte reexamin    | ation                 |
| Charge fee(s) indicated below Credit any overpayments   | 1804         | 920 •         | 1804    | 920       | <ul> <li>Requesting publication</li> <li>Examiner action</li> </ul> | n of SIR prior to    |                       |
| Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.   | 1805         | 1,840 *       | 1805    | 1,840     | * Requesting publicatio   | n of SIR after       |                       |
| Charge fee(s) indicated below, except for the filing fee  |              |               | .555    | ·         | Examiner action   |                      |                       |
| to the above-identified deposit account   | 1251         | 110           | 2251    | 55        | Extension for reply wi  | thin first month     |                       |
| FEE CALCULATION   | 1252         | 420           | 2252    | 210       | Extension for reply wit   |                      |                       |
| 1. BASIC FILING FEE   | 1253         | 950           | 2253    | 475       | Extension for reply wit   |                      |                       |
| Large Entity Small Entity  Fee Fee Fee Fee Description FeeDe  | 1254         | 1,480         | 2254    | 740       | Extension for reply wi  |                      |                       |
| Fee   Fee | 1255         | 1,210         | 2255    | 605       | Extension for reply wi  | thin fifth month     |                       |
| 1001 770 2001 385 Utility filing fee  | 1404         | 330           | 2401    | 165       | Notice of Appeal  |                      |                       |
| 1002 340 2002 170 Design filing fee   | 1402         | 330           | 2402    | 165       | Filing a brief in suppor  |                      |                       |
| 1003 530 2003 265 Plant filing fee  | 1403         | 290           | 2403    | 145       | Request for oral heart  | _                    |                       |
| 1004 770 2004 385 Reissue filing fee  | 1451         | 1,510         | 2451    | 1,510     | Petition to institute a p   | •                    | ng                    |
| 1005 160 2006 80 Provisional filing fee   | 1452         | 110<br>1,330  | 2452    | 55<br>665 | Petition to revive - una<br>Petition to revive - una                |                      |                       |
| SUBTOTAL (1) (\$)   | 1453         | 1,330         | 2453    | 665       | Utility issue fee (or re  |                      |                       |
| 2. EXTRA CLAIM FEES Extra Fee from  | 1501<br>1502 | 480           | 2501    | 240       | Design issue fee  | issue)               |                       |
| Claims below FeePai   |              | 640           | 2503    | 320       | Plant issue fee   |                      |                       |
| Total Claims 11 20 = 0 x 9.00 = \$0.  | 00 1460      | 130           | 2460    | 130       | Petitions to the Comn   | nissioner            |                       |
| Independent 2 3 = 0 X 43.00 = \$0.  | 1807         | 50            | 1807    | 50        | Prosessing fee under  | 37 CFR 1.17(q)       |                       |
| Multiple Dependent =  | 1806         | 180           | 1806    | 180       | Submission of Inform  | ation Disclosure St  | ımt                   |
| Large Entity Small Entity   | 8021         | 40            | 8021    | 40        | Recording each pater  |                      |                       |
| Fee Fee Fee Fee <u>Fee Description</u> Code (\$) Code (\$)  |              |               |         |           | property (times numb  |                      |                       |
|   | 1809         | 770           | 1809    | 385       | Filing a submission aff<br>(37 CFR § 1.129(a))                      | ter final rejection  |                       |
| 1202  | 1810         | 770           | 2810    | 385       | For each additional in  | vention to be        | <u> </u>              |
| 1203 290 2203 145 Multiple Dependent claim, if not paid   |              |               |         |           | examined (37 CFR § 1  | 1.129(b))            |                       |
| 1204 86 2204 43 **Reissue independent claims over original  | 1801         | 770           | 2801    | 385       | Request for Continued   | Examination (RCE     | =)                    |
| patent  | 1802         | 900           | 1802    | 900       | Request for expedited<br>of a design application                    |                      |                       |
| 1205 18 2205 9 **Reissue claims in excess of 20 and over original patent  | Other f      | ee (specify)  |         |           |   |                      |                       |
| . SUBTOTAL (2) (\$) 0.  | I            | (,            |         |           |   |                      |                       |
| **or number previously paid, if greater, For Reissues, see below  |              | ed by Basic F | ing Fee | Paid      | :   | SUBTOTAL (3)         | (\$)                  |
|   |              |               |         |           |   |                      |                       |
| SUBMITTED BY  | - T =        | Registratio   | n No    | 1         |   |                      | olete (if applicable) |
| Name (Print/Type) Eric S. Hyman   |              | Attorney/Age  |         | 1         | 30,139  | Telephone            | (310) 207-3800        |
| Signature   | K >          |               |         | _         |   | Date                 | 03/30/04              |

Docket No.: 51876P455

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Rethe Application of:

SUNG-IK PARK, ET AL.

Application No.: 10/750,029

Filed: December 30, 2003

For: ON-CHANNEL REPEATING APPARATUS AND

METHOD FOR TERRESTRIAL DIGITAL TELEVISION BROADCASTING SERVICE

Art Group:

Examiner:

#### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted within three (3) months of filing of the application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

| Respectfully s | ubmitted, |
|----------------|-----------|
|----------------|-----------|

Blakely, Sokoloff, Taxlor & Zafman LLP

Eric S. Hyman,

lyman, Reg. No. 30,139

12400 Wilshire Boulevard, 7th Floor Los Angeles, CA 90025 Telephone: (310) 207-3800

Date: March 30, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop: DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Linda D'Elia

03-30-04

Date 3-30-04

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Substitute for form 1449A/PTO

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# INFORMATION DISCESSURES STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

| Complete if Known      |                   |  |  |  |
|------------------------|-------------------|--|--|--|
| Application Number     | 10/750,029        |  |  |  |
| Filing Date            | December 30, 2003 |  |  |  |
| First Named Inventor   | Sung-Ik PARK      |  |  |  |
| Art Unit               |                   |  |  |  |
| Examiner Name          |                   |  |  |  |
| Attorney Docket Number | 51876P455         |  |  |  |

|                       |              |  | U.S. PATE                                       | ENT DOCUMENTS                                      |   |
|-----------------------|--------------|--|---|--|---|
| <b>.</b> .            |              | Document Number                            | Publication Date                                |  | Pages Columns Lines Where   |
| Examiner<br>Initials* | Cite<br>No.1 | Number - Kind Code <sup>2</sup> (if known) | Publication Date<br>or Issue Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |              | US-  |   |  |   |
|                       |              | US-  |   | -  |   |

|           | FOREIGN PATENT DOCUMENTS |   |                                |  |  |  |        |   |
|-----------|--------------------------|---|--------------------------------|--|--|--|--------|---|
| Examiner  | Cite                     | Cite  | Foreign Patent Document        |  |  | Pages Columns Lines                              | т6     | 1 |
| Initials* | No.1                     | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appea |  |        |   |
|           |                          | 1020020088304   | 11-27-2002                     | LG ELECTRONICS INC.                                |  | Αb   | stract |   |
|           |                          |   |                                |  |  | <u> </u>   |        |   |
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|           |                          |   |                                |  |  |  |        |   |

| Examiner<br>Signature | /Kenneth Lam/ | Date<br>Considered | 06/25/2009 |  |
|-----------------------|---------------|--------------------|------------|--|

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 08/11/2003.

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.



### Substitute for form 1449A/PTO **INFORMATION DISCLOSURE**

### STATEMENT BY APPLICANT

(use as many sheets as necessary)

2 2 of Sheet

| Complete if Known      |                   |  |  |
|------------------------|-------------------|--|--|
| Application Number     | 10/750,029        |  |  |
| Filing Date            | December 30, 2003 |  |  |
| First Named Inventor   | Sung-Ik PARK      |  |  |
| Art Unit               |                   |  |  |
| Examiner Name          |                   |  |  |
| Attorney Docket Number | 51876P455         |  |  |

|                       | NON PATENT LITERATURE DOCUMENTS |   |    |  |  |  |
|-----------------------|---------------------------------|---|----|--|--|--|
| Examiner<br>Initials* | Cite<br>No.¹                    | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T² |  |  |  |
|                       |                                 | KHALIL SALEHIAN, ET AL., "On-Channel Repeater for Digital Television Broadcasting Service", IEEE Transactions on Broadcasting, Vol. 48, No. 2, June 2002 (pp. 97-102)   |    |  |  |  |
|                       |                                 |   |    |  |  |  |
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|                       |                                 |   |    |  |  |  |

| Examiner<br>Signature | /Kenneth Lam/ | Date<br>Considered | 06/25/2009 |
|-----------------------|---------------|--------------------|------------|

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<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.